

ABSTRACT

Methods, systems, and articles of manufacture consistent with the present invention are provided for making allele calls. In certain embodiments, allele calling is accomplished by providing a committee machine that receives calls from several allele calling algorithms. By receiving calls from multiple allele calling algorithms, the committee machine makes calls containing a high level of confidence over a variety of conditions. Certain embodiments provide methods employing at least two algorithms and at least two quality values for allele calling. Unique individual algorithms for allele calling are also provided.